

## 2019 Water Audit Level 1 Validation – Review Document

### Audit Information:

**Utility:** Rowland Water District      **PWS ID:** 1910194  
**System Type:** Potable      **Audit Period:** Calendar 2019  
**Utility Representation:** Dave Warren, Dusty Moio, Crystal Rodriguez, Roy Frausto  
**Validation Date:** 6/18/2020      **Call Time:** 9:30am      **Sufficient Supporting Documents Provided:** Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

**Data Validity Score:** 71      **Data Validity Band (Level):** Band IV (71-90)  
**ILI:** 1.0      **Real Loss:** 19.08 (gal/conn/day)      **Apparent Loss:** 12.01 (gal/conn/day)  
**Non-revenue water as percent of cost of operating system:** 2.8%

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

### Validator Information:

**Water Audit Validator:** Larry Lewison, Drew Blackwell      **Validator Qualifications:** Contractor for California Water Loss TAP

Validator Provided

## 2019 AWWA Water Audit Level 1 Validation

**Water System Name:** Rowland Water District

**Water System ID Number:** 1910194

**Water Audit Period:** Calendar 2019

### Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

Meter Change Out Program started – 521 residential meters were replaced in 2019.

Installed 8 additional pressure transducers in the distribution system, bring the total to 11 remote transducer locations throughout our six (6) pressure zones.

Developing in conjunction with our GIS company an Artificial Intelligence (AI) System Failure Analysis tool to predict pipeline failures for proactive replacement.

### Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Tom Coleman

General Manager



7/9/2020

Executive Name (Print)

Executive Position

Signature

Date

Utility Provided